

FIG. 1A

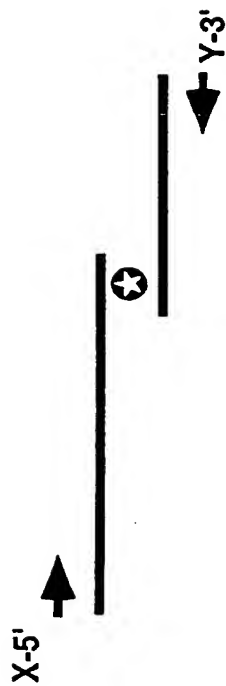


FIG. 1B

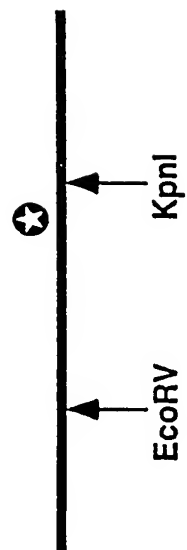


FIG. 1C

TCGAGCCC	ATG	AGG	TGT	AGC	CCC	GGA	GGA	GTG	TGG	CTG	GCA	CTG	GCA	39
	M	R	C	S	P	G	G	V	W	L	A	L	A	13
GCA	TCT	CTC	CTG	CAC	GTG	TCC	CTG	CAA	GGC	GAG	TTC	CAG	AGG	87
A	S	L	L	H	V	S	L	Q	G	E	F	Q	R	29
TAC	AAG	GAG	CTG	GTC	AAG	AAC	TAC	AAT	CCC	TTG	GAG	AGG	CCC	135
Y	K	E	L	V	K	N	Y	N	P	L	E	R	P	45
AAT	GAC	TCG	CAA	CCA	CTC	ACC	GTC	TAC	TTC	TCC	CTG	AGC	CTC	183
N	D	S	Q	P	L	T	V	Y	F	S	L	S	L	61
ATC	ATG	GAC	GTG	GAT	GAG	AAG	AAC	CAA	GTT	TTA	ACC	ACC	AAC	231
I	M	D	V	D	E	K	N	Q	V	L	T	T	N	77
CTG	CAA	ATG	TCT	TGG	ACA	GAT	CAC	TAT	TTA	CAG	TGG	AAT	GTG	279
L	Q	M	S	W	T	D	H	Y	L	Q	W	N	V	93
TAT	CCA	GGG	GTG	AAG	ACT	GTT	CGT	TTC	CCA	GAT	GGC	CAG	ATT	327
Y	P	G	V	K	T	V	R	F	P	D	G	Q	I	109
CCA	GAC	ATT	CTT	CTC	TAT	AAC	AGT	GCT	GAT	GAG	CGC	TTT	GAC	375
P	D	I	L	L	Y	N	S	A	D	E	R	F	D	125

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FIG. 2A

TTC	CAC	ACT	AAC	GTG	TTG	GTG	AAT	TCT	TCT	GGG	CAT	TGC	CAG	TAC	CTG	423
F	H	T	N	V	L	V	N	S	S	G	H	C	Q	Y	L	141
CCT	CCA	GGC	ATA	TTC	AAG	AGT	TCC	TGC	TAC	ATC	GAT	GTA	CGC	TGG	TTT	471
P	P	G	I	F	K	S	S	C	Y	I	D	V	R	W	F	157
CCC	TTT	GAT	GTG	CAG	CAC	TGC	AAA	CTG	AAG	TTT	GGG	TCC	TGG	TCT	TAC	519
P	F	D	V	Q	H	C	K	L	K	F	G	S	W	S	Y	173
GGA	GGC	TGG	TCC	TTG	GAT	CTG	CAG	ATG	CAG	GAG	GCA	<u>GAT</u>	<u>ATC</u>	AGT	GGC	567
G	G	W	S	L	D	L	Q	M	Q	E	A	D	I	S	G	189
TAT	ATC	CCC	AAT	GGA	GAA	TGG	GAC	CTA	GTG	GGA	ATC	CCC	GGC	AAG	AGG	615
Y	I	P	N	G	E	W	D	L	V	G	I	P	G	K	R	205
AGT	GAA	AGG	TTC	TAT	GAG	TGC	TGC	AAA	GAG	CCC	TAC	CCC	GAT	GTC	ACC	663
S	E	R	F	Y	E	C	C	K	E	P	Y	P	D	V	T	221
TTC	ACA	GTG	ACC	ATG	CGC	CGC	AGG	ACA	CTC	TAC	TAT	GGC	CTC	AAC	CTG	711
F	T	V	T	M	R	R	R	T	L	Y	Y	G	L	N	L	237
CTG	ATC	CCC	TGT	GTG	CTC	ATC	TCC	GCC	CTC	GCC	CTG	CTG	GTG	TTC	CTG	759
L	I	P	C	V	L	I	S	A	L	A	L	L	V	F	L	253
CTT	CCT	GCA	GAT	TCC	GGG	GAG	AAG	ATT	TCC	CTG	GGG	ATA	ACA	GTC	TTA	807
L	P	A	D	S	G	E	K	I	S	L	G	I	T	V	L	269

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FIG. 2B

274
 CTC TCT CTT ACC ACC TTC ATG CTG CTC GTG GCT GAG ATC ATG CCC GCA 855
 L S L T T F M L L V A E I M P A 285
 ACA TCC GAT TCG GTA CCA TTG ATA GCC CAG TAC TTC GCC AGC ACC ATG 903
 T S D S V P L I A Q Y F A S T M 301
 ATC ATC GTG GGC CTC TCG GTG GTG GTG ACG GTG ATC GTG CTG CAG TAC 951
 I I V G L S V V V T V I V L Q Y 317
 CAC CAC CAC GAC CCC GAC GGC GGC AAG ATG CCC AAG TGG ACC AGA GTC 999
 H H H D P D G G K M P K W T R V 333
 ATC CTT CTG AAC TGG TGC GCG TGG TGC CTG CGA ATG AAG AGG CCC GGG 1047
 I L L N W C A W F L R M K R P G 349
 GAG GAC AAG GTG CGC CCG GCC TGC CAG CAC AAG CAG CGG CGC TGC AGC 1095
 E D K V R P A C Q H K Q R R C S 350
 CTG GCC AGT GTG GAG ATG AGC GCC GTG GCG CCG CCC GCC AGC AAC 1143
 L A S V E M S A V A P P P A S N 366

FIG. 2C

GGG AAC CTG CTG TAC ATC GGC TTC CGC GGC CTG GAC GGC GTG CAC TGT	1191
G N L L Y I G F R G L D G V H C	382
GTC CCG ACC CCC GAC TCT GGG GTA GTG TGT GGC CGC ATG GCC TGC TCC	1239
V P T P D S G V V C G R M A C S	398
CCC ACG CAC GAT GAG CAC CTC CTG CAC GGC GGC CAA CCC CCC GAG GGG	1287
P T H D E H L L H G G Q P P E G	414
GAC CCG GAC TTG GCC AAG ATC CTG GAG GAG GTC CGC TAC ATT GCC AAC	1335
D P D L A K I L E E V R Y I A N	430
CGC TTC CGC TGC CAG GAC GAA AGC GAG GCG GTC TGC AGC GAG TGG AAG	1383
R F R C Q D E S E A V C S E W K	446
TTC GCC GCC TGT GTG GAC CGC CTG TGC CTC ATG GCC TTC TCG GTC	1431
F A A C V V D R L C L M A F S V	462
TTC ACC ATC ATC TGC ACC ATC GGC ATC CTG ATG TCG GCT CCC AAC TTC	1479
F T I I C T I G I L M S A P N F	478
GTG GAG GCC GTG TCC AAA GAC TTT GCG TAACCACGCCCTGTTCTGTACATGTGG	
V E A V S K D F A	

AAAACTCACAGATGGGCAAGCGCTTTGGCTTGGCGAGATTCCGGCCGGAA

FIG. 2D

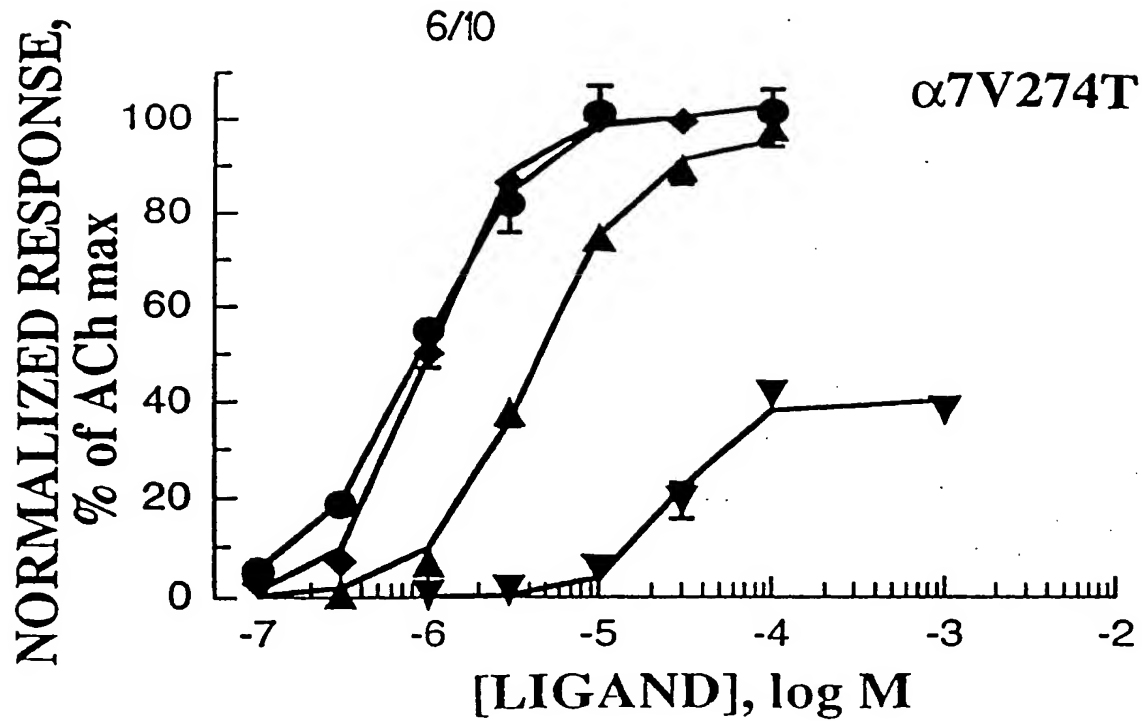


FIG. 3A

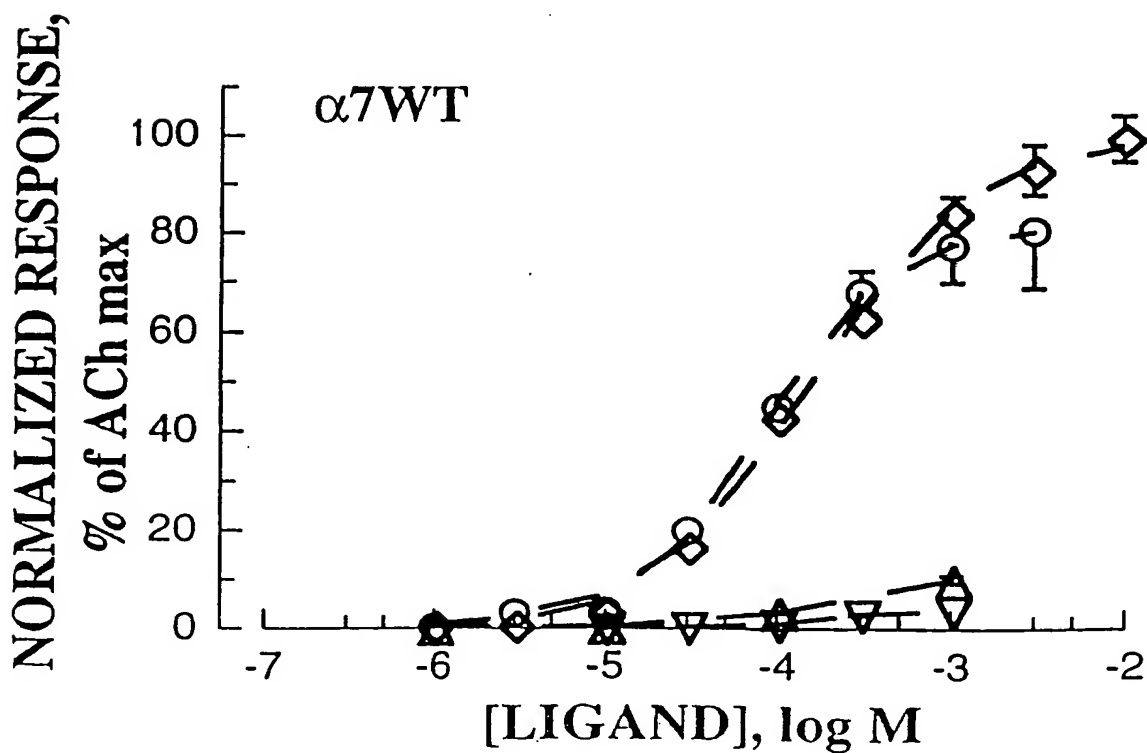


FIG. 3B

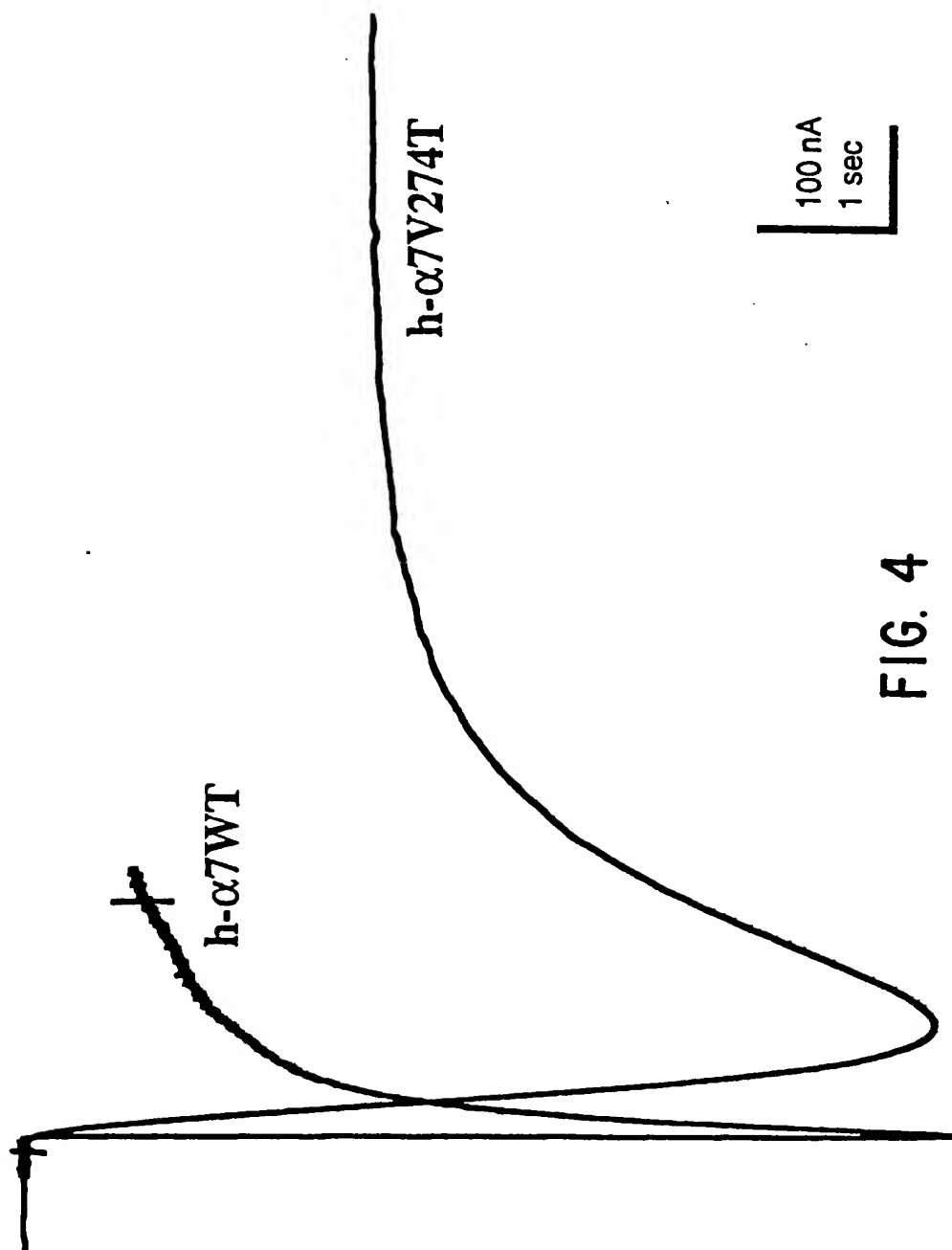


FIG. 4

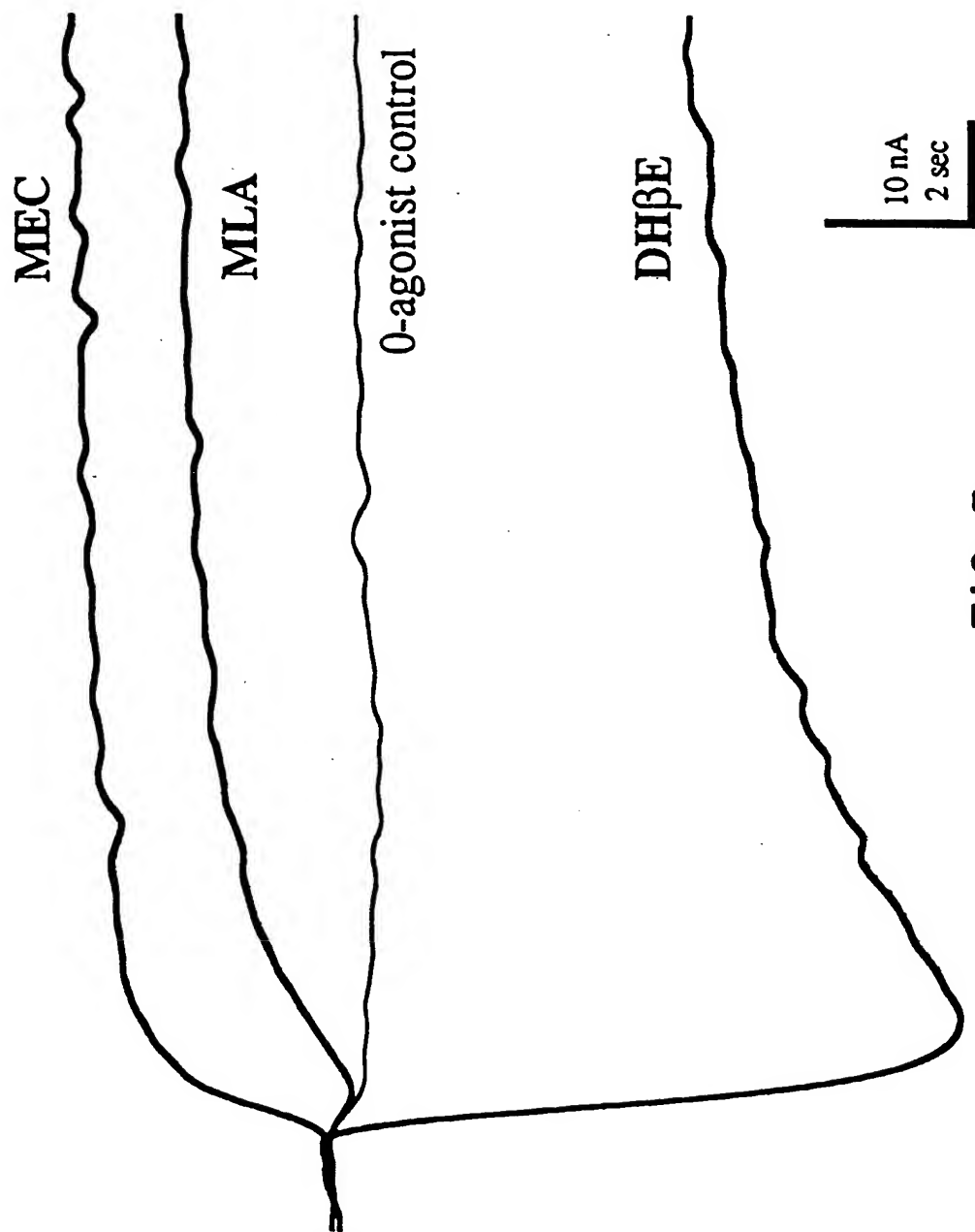


FIG. 5

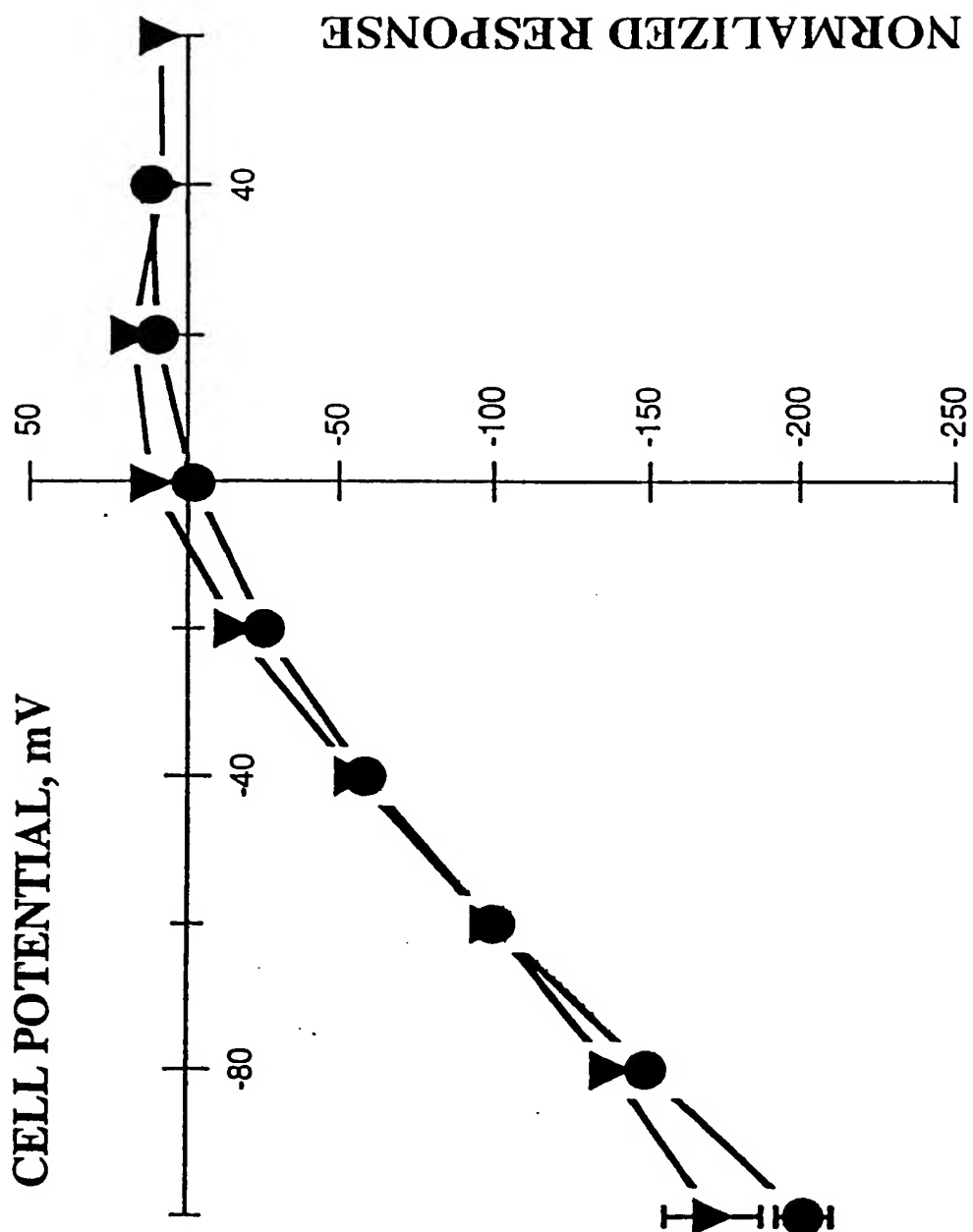


FIG. 6

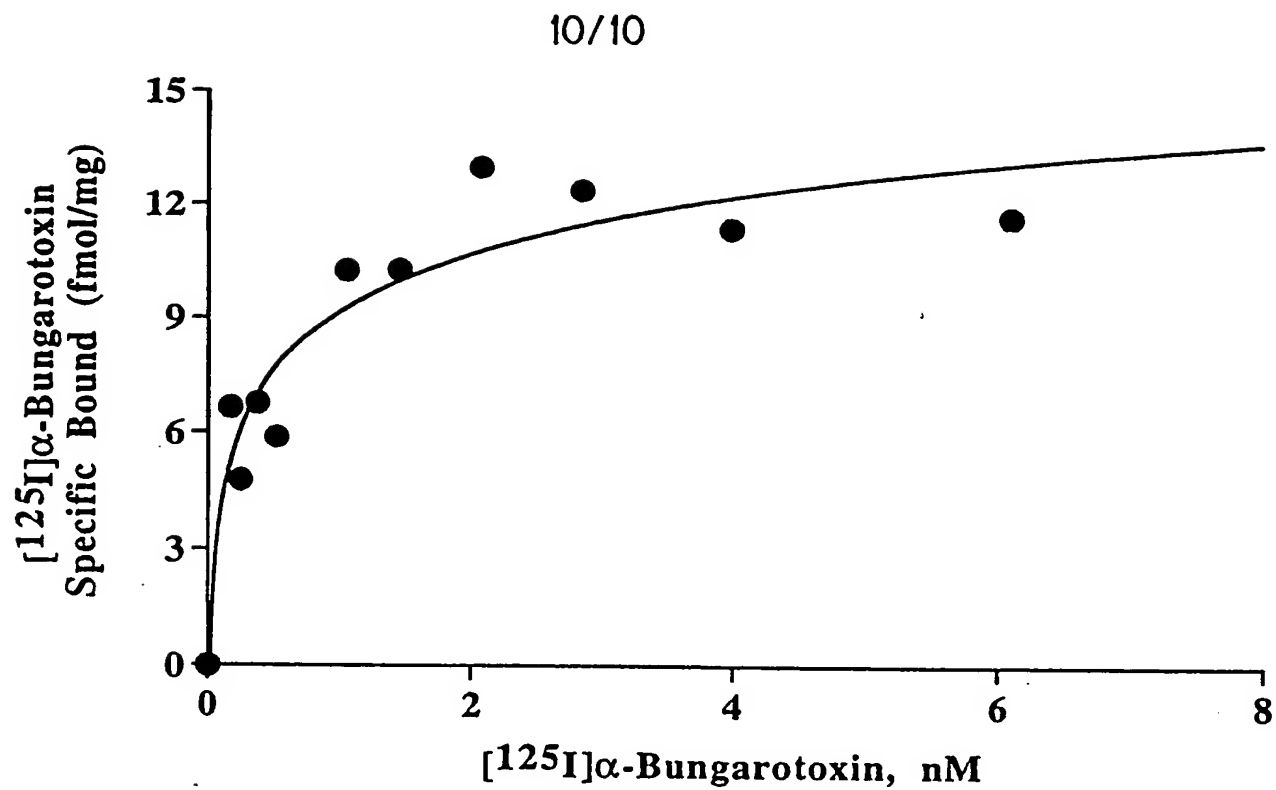


FIG. 7A

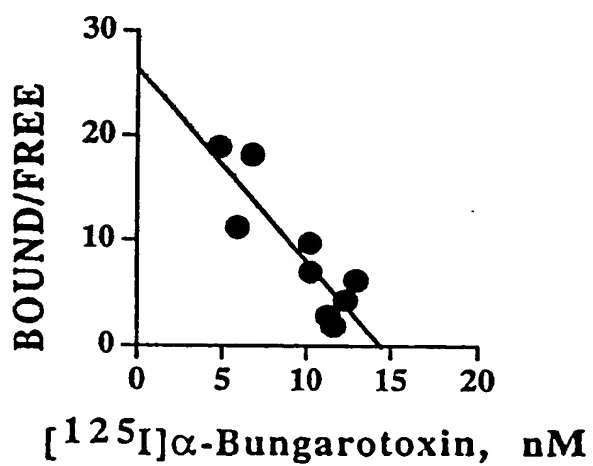


FIG. 7B